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PTO/SB/05 (11-00)

Appr. use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL (Only for new nonprovisional applications under 37 CFR 1.53(b))	Attorney Docket No.	03345-P0017A
	First Inventor	Michael Heuken, et al.
	Title	Method And System For Semiconductor Crystal Production With Temperature Management
	Express Mail Label No.	EL 574 209 951 US

APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents	ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, DC 20231
1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)	7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
2. <input type="checkbox"/> Applicant claims small entity status See 37 CFR 1.27.	8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
3. <input checked="" type="checkbox"/> Specification [Total Pages 19] (preferred arrangement set forth below) <ul style="list-style-type: none">- Descriptive title of the invention- Cross References to Related Applications- Statement Regarding Fed sponsored R & D- Reference to sequence listing, a table, or a computer program listing appendix- Background of the Invention- Brief Summary of the Invention- Brief Description of the Drawings (if filed)- Detailed Description- Claims(s)- Abstract of the Disclosure	a. <input type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: <ul style="list-style-type: none">i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); orii. <input type="checkbox"/> paper
4. <input checked="" type="checkbox"/> Drawings(s) (35 USC 113) [Total Sheets 11]	c. <input type="checkbox"/> Statement verifying identity of above copies
5. Oath or Declaration [Total Pages 0] <ul style="list-style-type: none">a. <input type="checkbox"/> New executed (original or copy)b. <input type="checkbox"/> Copy from prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed)i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventors(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).	ACCOMPANYING APPLICATION PARTS
6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76	9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))
	10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of (when there is an assignee) Attorney
	11. <input type="checkbox"/> English Translation Document (if applicable)
	12. <input type="checkbox"/> Information Disclosure <input type="checkbox"/> Copies of IDS Statement (IDS)/PTO-1449 Citations
	13. <input checked="" type="checkbox"/> Preliminary Amendment
	14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
	15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)
	16. <input type="checkbox"/> Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 of its equivalent.
	17. <input checked="" type="checkbox"/> Other: PCT/DE99/03863 Cover Sheet DE19855637.3 Cover Sheet

18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☒ Continuation ☐ Divisional ☐ Continuation-in-part of prior application No.: PCT/DE99/03863 filed Dec. 2, 1999
Prior application information: Examiner Group/Art Unit: Priority: DE19855637.3 filed Dec. 2, 1998

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18. CORRESPONDENCE ADDRESS					
<input checked="" type="checkbox"/> Customer Number of Bar Code Label		24126 (Insert Customer No. or Attach bar code label here)		<input checked="" type="checkbox"/> Correspondence address below	
Name	Wesley W. Whitmyer, Jr.				
Address	St. Onge Steward Johnston & Reens LLC 986 Bedford Street				
City	Stamford	State	CT	Zip Code	06905-5619
Country	United States	Telephone	203 324-6155	Fax	203 327-1096

Name (Print/Type)	Wesley W. Whitmyer, Jr.	Registration No. (Attorney/Agent)	33,558
Signature		Date	6/1/01

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**FEE TRANSMITTAL
for FY 2001**

Patent fees are subject to annual revision

Complete if Known

Application No.	- Pending
Filing Date	June 1, 2001
First Named Inventor	Michael Heuken, <i>et al.</i>
Examiner Name	
Group Art Unit	
Attorney Docket Number	03345-P0017A WWW

TOTAL AMOUNT OF PAYMENT (\$ 710.00

METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payment to:

Deposit Account Number **19-4516**

Deposit Account Name **St.Onge Steward Johnston & Reens LLC**

- ☒ Charge Any Additional Fee Required
Under CFR 1.16 and 1.17
Applicant claims small entity status.
See 37 CFR 1.27

2. ☒ Payment Enclosed:

☒ Check ☐ Credit Card ☐ Money Order ☐ Other

FEE CALCULATION**1. BASIC FILING FEE**

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
101	710	201	355	Utility filing fee	710.00
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1) (\$ 710.00

2. EXTRA CLAIMS FEES

Total Claims	Extra Claims	Fee from Below	Fee Paid
18	-20**=	0	
2	-3**=	0	
Multiple Dependent		0	

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
103	18	203	9	Claims in excess of 20	
102	80	202	40	Independent claims in excess of 3	
104	270	204	135	Multiple dependent claims, if not paid	
109	80	209	40	** Reissue independent claims over original patent	
110	18	210	9	** Reissue claims in excess of 20 and over original patent	

** or number previously paid, if greater; For Reissues, see above

SUBTOTAL (2) (\$ -0-

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing for or oath	
127	50	227	25	Surcharge - late provisional filing or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840	Requesting publication of SIR after Examiner Action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	240	126	240	Submission of Informational Disclosure Stmt	
581	40	581	40	Recording each patent assignment per Property (times number of properties)	
146	710	246	355	Filing a submission after final rejection (37(CFR § 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify) _____

* Reduced by Basic Filing Fee paid

SUBTOTAL (3) (\$ -0-

SUBMITTED BY St.Onge Steward Johnston & Reens LLC

Complete (if applicable)

Name (Print Type)	Wesley W. Whitmyer, Jr.	Registration No. (Attorney/Agent)	33,558	Telephone	203 324-6155
Signature				Date	6/1/01

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